Log of Well

Depth	n, feet	
From	To	Description of Material Drilled
	10	dend on the test of the test o
10	20	
		Tlearen de de, ravils.
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		<u> </u>
		Sallatin County State of Montan
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		2 Carlos
	İ	A Charles of the Char

File No.....

TINR3E County GallaTin

DUPLICATE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEEL

Declaration of Vested Groundwater Rights

Under Chapter 237, Montana Session Laws, 1961)

		,	·	
1 ZULS J. Wr.	.Te	or 610 S.	8 de	Bozeman
Name of Appropri	ator)	(Address)		(Town)
County of GALLAT	(-37	State of MONI	<u>a</u> n g	******************************
have appropriated groundwater	according to th	e Montana laws in effect	prior to Janua	ary 1, 1962. as follows:
N				
77126	2. The b	eneficial use on which the	e claim is base	Stock- Water
	-	eneficial use on which the	- 160 TaJ	washing)
				·
4	3. Date	or approximate date of e	earliest benefic	eial use: and how con-
	tinuo	is the use has beenA	IFF 18	80
w l		TOT TITUOUS		

	4. The a	mount of groundwater c	laimed (i.i. mi	ner's inches or gallons
	per u	inute) 50 90	LL. Per	Minute

34 35	1			
	5. If use	d for irrigation, give the	acreage and d	escription of the lands
S	to wr	nich water has been appl	ned and name	of the owner thereof
SEASE Sec 27TIN R 3E		***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	********	***************************************	*******************	
Indicate point of appropriation and place of use, if possible.				***************************************
Each small square represents 10	6. The	means of withdrawing su	ich water from	n the ground and the
acres.	locati	on of each well or other	means of with	ndrawal
	*******	ELectri	، رم	LM P
	********			******************************
drawal of groundwater				
9. So far as it may be available, works for the withdrawal of gr	the type, size and	depth of each well or th	he general spec	effications of any other
works for the withdrawar or gr	. Outiquater			·
		********		********************************
	***************		•• ••••	**** ******* **************************
	·			*****
10. The estimated amount of groun	dwatar withdran	500	000 9a	Laone
io. The estimated amount of group	idwater withdray	on each year	······································	
11. The log of formations encounte	red in the drilling	ng of each well if availa	able	*****

***************************************	NOT	A Vailab	Le	***************************************
12. Such other information of a sim	ilam natura as m	ay ha neaful in commince	ant the police	af this act including
reference to book and page of a				
	·**····			
		Signature of Owner.	Jula -	- White
			Date 12 -	27-19-3
Three copies to be filed by the own located.	ier with the Cou	nty Clerk and Recorder	of the county	in which the well is
Please answer all questions. If not a	applicable, so stat	e, otherwise the form w	ill be returned	
Original to the County Clerk and I of Mines and Geology, and Quadrup	Recorder: duplica plicate for the A _i	te to the State Engineer propriator.	r: Triplicate to	o the Montana Bureau

#1204

SS. December 30, 1963 at 9:22 of aleck AM. Jalma Flades

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Fee \$ 2.00

I	•	- 10 -		 _R	É.	
,	oun	ty_	2311	 		

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

	Waver well	Log		
	Owner John N. Schutter	.\ddre	ss Maghettan	Mont.
	Oriller Tam Dykem Orilli			
	Date Started July 5 19	<u>50</u> Date	Completed_u	g.8 '60
	location: Sec. 28 I.	<u>l N. R. 3 %.</u>	$\frac{1}{4}$ sec. $3 \cdot 3 \cdot$	<u> </u>
Type of well Dri	1ed Equ	ipment used 🐠	verse Rotary-	Juble
Water use: Dome	estic Municipal	Stock	Irrigation	
	rial			
Casing: 0 i	t. to 140 ft. Ty	perima	Sizelo" -	Ureura
	ft. to <u>289</u> ft. Ty			
Casing:r	t. toft. Iy	pe	Size	
Perforated or scr	ft. toft. Ty larf vate: reened: Ft. <u>16"c.aif</u> o ft.	<u>89 -110 - Fita</u>	ld Creie z <u>5-130</u> to f	Ų <u>.13=180</u>
Type of screen or	perforations			
Static water leve	el, for non-flowing well:	51		feet.
Shut-in pressure.	for flowing well:	lb./sq. in		ate)
Pumping water lev	rel <u>36-95</u>	3000 gal	, -	,
How tested: "u	irbine pump			
	iore than I weeks contin	urus lumiise.d.	ay and pirht	
	l packing, cementing, pact-off)	ekers, type of	shut-off, d	epth of
30 'hole from a	-iso ft. with lot cosing	contered in th	ne hole and	FP9Ve)
pucked the an	inual or apide between de	sing and hole a	vith 1-8 to	Travel
15° cemine i	s a innol Yal -ckad t	n the depth of	140 10235	
	(over)	# ·		

Log of Well

			Log of well
De	pth	řeet	Description of Material Drilled
Fre	om	To	
	·	16	scila clay
	18	<u> </u>	Boulders gravals tight comested
	: O	40	Awa F John
	4 <u>G</u>	105	sagdstons soft and heri layers
	105	111	clay with said leases
	111	21.	hard asadators
	11:4	17 117	gritty clays
	117	119	clara send and gravels
	119	1 140	course gravels and boulders
	140	<u>i :-</u>	sticky clays
	143	205	sands and small gravels
	೭೦5		same se above
	215		Course ands , zr. welv. does not heard auch
3	22	235	
	35	265	Same As above
2	6 5	285	ARMA AS Above, excapt formation a more olaybinder
• • • • • • • • • • • • • • • • • • • •	38	29B -	ciay hada
			1 1 333
·			
			

Mont Bureau of Mines and Mology Butto Heat.

Dear Sir

Enclosed forms refer to the well, which was filed dept.20 1950 at 12.45 p.m. at 3'llatin County Courthouse Bozeman Hont. This was the first irrivation well in the Manhattan basca land area, and I had it registered soon after it was complete: lug. 8 106 for a capacity of up to 1500 gallon/min. The duiller did not have a restourp with some than 1500 gallon expacity, and I had the pump ordered before the well was completed, for the drilling took a let league them first thought and I needed the water for irrigation. Then when we started sumping, the driller was surprised with the little drawdows there was shapumpcoling of in-

stalled was 200 ft., drawdown from 61 ft. to only87ft.

Then we figure: dready that we could use a shorter column and instead of a 10" bowl a 12" bowl on the pump.

Ind that is what we did, February 1961 we installed a 12" bowl 5stage pump, with 110 ft. column, which pumped 2000 gellon/min at 2000 rev. contineously.

We thought to get at least 10 more it. drawdown, but had only oft. This well will most likely yield a lot more them we are pumping

It the first registration I gars as yield up to 1500 gallom, but went to have that changed to 2000 gallom/min, but would like to keep the registration date as dept.30 1350

It is the same well, only the driller was not able then to test

it to this capacity

a sumped out of this well continecable during the growing seasons in 1960 and 1961, up to the end of argust.

The welldriller will confirm these facts, if that is required

upon request. Tan Dycon illian los Sereman Tont.

Way I hear of your opinion,

Very truly yours,



MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

	WATER WELL LOG
	Owner Address Address
	Driller / a / Address Address
	Date Started 5 5 5 Date Completed 1
	Location: Sec. X A T. AMS R 3 E 1/4 sec. 5 5 1/4
Type of well	(Dug. driven, bored, or drilled) Equipment used (Churn drill, rotary, other)
Water use: Domest	tic Municipal Stock Irrigation
Industri	ial Drainage Other:
Casing:	ft. toft. TypeSize
Casing:	ft. to \ \ ft. Type \ \ \ Size 3 \ \ f \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Casing: Perforated or Screen Type of screen or per	ned: Ft. to ft. Type. Size reforations to ft. Type. Size
	or non-flowing well:
	r flowing well:
	gal. per min.
How tested:	51 12 12 12 1 To see too for
Length of test	4.2 -4.00
	packing, cementing, packers, type of shut-off, depth of shut-off)
Con The State	The state of the s
in factoria	La realization of the first of
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	en e

(over)

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Log of Well

Dept	h, feet	
From	То	Description of Material Drilled
- ا - از	_ / 2	- Carrier of the Edition of
	^	Brilden - quadra Tax Comments
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		Charles and the second
	35	Sanistane Lift + peri Lucia
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111	114	Fant Lindstone.
مب	· /	Frith chan
1/7	11	Elin ant marie
1/2	ا بہتر ا	<u>^</u>
- ',	3	thatie 21200
1-15	70,5	Land - more Court Desired
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5 - 5	5.52	The war word of provide been of hear true
500	£ 25°	Brunt I de Maria
2 25	565	
1 ~		- The second of
10 Px	T (29)	
		set an secto
		
		4'

DRILLER'S LOG

Indicate the maracter, color, thick-

ness of strate such as soil, clay, sand, gravel, shale, sandstone, etc. Show

depth at which water is found and

height to which water rises in well.

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

LICENSE NO. 1

(Under	Chapter 237 Montan	a Session L	 .aws, 1961, as amend	ded)	Top of	Ground	(Elev	v. above sea (evel)	
by the a	m to be prepared by wmer with the County le well is located, last	Clerk and	Recorder in the cou	ntv in	From (Feet)	To (Feet)			
Please ar	nswer all questions. If								
torm ma	y be returned.								
Owner J	OHI KUIPLA	<u></u>							
		_	For Administrator's U	Jse					
Address	ertrude Kuiper	Satana _{fi}	le 1326; 319	7	0-	-13			
			10		13	100			
	###~ • • • • • • • • • • • • • • • • • •		10.00 Am		100-	250	Yellaw	clavs.	
Date wel	Il started?	G	WI FERMARY 26.	1973	250	268	duike sa	nd.water .	
		}			2 68	287	Seft cla Heaving	rs.	
cc	ompleted 7/12/44				287	299	Clays,	::ema	
Type of	well Drilled				299	306	Sand. W	ater.	
.,,,		(Dug.	, driven, bored or drilled)		306	310	Clays.		
Equipmen	nt used Cab	e toel	8 • urn drill, rotary or other)						
Water Us	se: Domestic 躇 Mu	laqioinu	Stock 🗀 Irrigati	ion 🗀					
	_			· • · · ·					
In	ndustrial 🔲 Drainage	e 🔲 Oth	er □* Garden/Lav	wn 🗍					
*Describe	2								
	used for irrigation, in			سندند					
stat	e number of acres and	d location o	r other data (i.e. Lot,	Block					┪
and	Addition),								1
	,			••]
ESTIMATE	ED ANNUAL WITHDRA	WAL							1
									1
Size of Deilled	Size and From Weight (Feet)	To (Feet)	PERFORATION	NS					1
			Kind From	Го					
Drilled Hole	Weight (Feet) of Casing	(Feet)							
Drilled	Weight (Feet)	(Fée)	Kind From	Го					
Drilled Hole	Weight (Feet) of Casing	(Feet)	Kind From Size (Feet)	Го					
Drilled Hole	Weight (Feet) of Casing	(Fée)	Kind From Size (Feet)	Го					
Drilled Hole	Weight (Feet) of Casing	(Fée)	Kind From Size (Feet)	Го					
Drilled Hole	Weight (Feet) of Casing	(Fée)	Kind From Size (Feet)	Го					
Drilled Hole	Weight (Feet) of Casing	(Fee)	Kind From Size (Feet)	Fo (Feet)					
Drilled Hole	Weight (Feet) of Casing	(Feet)	Nize From (Feet)	Fo (Feet)					
Drilled Hole	Weight (Feet) of Casing	Static Pump	Kind From (Feet) 10126 water level 245 ping water level \$	(Feet) (Feet)					
Drilled Hole	Weight (Feet) of Casing	Static Pump	Nize From (Feet)	(Feet) (Feet)					
Drilled Hole	Weight (Feet) of Casing	Static Pump at meas begal	Name	ft.* 275 ft.* per minute, ter pumping					
Derilled Hole	Weight (Feet) of Casing	Static Pump at meas began	water level 245 bing water level	ft.* 275 ft.* per minute, ter pumping					
Derilled Hole	Weight (Feet) of Casing	Static Pump at meas began 'Mea Well	Name	ft.* 275 ft.* per minute, ter pumping					
Derilled Hole	Weight (Feet) of Casing	Static Pump at meas begaint Well for a	water level 245 ing water level gallons ured 300minutes aft n. ssured from ground 1 developed by hours.	ft.* 275 ft.* per minute, ter pumping					
Derilled Hole	Weight (Feet) of Casing	Static Pump at meas began *Mea Well for Powe Rema	water level 215 bing water level gallons ured 300minutes aft n. ssured from ground developed by hours. It was a ground from gr	ft.* 275 ft.* per minute, ter pumping eyei. Ling HP, cementing,					
Drilled Hole	Weight of Casing Feet)	Static Pump at meas began "Mea Well for Powe Rema packet	water level 245 bing water level gallons ured 300minutes aft n. sured from ground 1 developed by hours. Pump. erks: (Gravel packing, ers, type of shutoff)	ft.* 275 ft.* per minute, rer pumping eyel. Ing. HP, cementing,					
Drilled Hole	Weight of Casing Feet) N N Sec. 79	Static Pump at meas begaing for Power Remains packet	water level 245 inche water level 245 ping water level gallons ured 300minutes aft n. sured from ground developed by and hours. r. Pump. arks: (Gravel packing, ers, type of shutoff)	ft.* 275 ft.* per minute, rer pumping eyel. HP, cementing,					
Drilled Hole	Weight of Casing Feet)	Static Pump at meas begaing for Power Remains packet	water level 245 note water level 245 ping water level gallons ured 300minutes aft n. sured from ground leveloped by and hours. r. Pump. erks: (Gravel packing, ers, type of shutoff) 11 cuttings	ft.* 275 ft.* per minute, rer pumping eyel. HP, cementing,					
Derilled Hole 4 T	Weight of Casing Feet) N N N N N N N N N N N N N	Static Pump at meas began Meal for Power Rema packet	water level 245 sing water level gallons ured 300minutes aft n. ssured from ground ladeveloped by hours. r. Pump. erks: (Gravel packing, ers, type of shutoff) all cuttings	ft.* 275 ft.* per minute, for pumping evel. inz HP, cementing,					
W LATI	Weight of Casing (Feet) N N N N N N N N N N N N N	Static Pump at meas began Well for Power Rema packet	water level 245 ing water level gallons ured 300minutes aft n. ssured from ground 1 developed by hours. r. Pump. erks: (Gravel packing, ers, type of shutoff) 11 cuttings Casing	ft.* 275 ft.* per minute, for pumping evel. inz HP, cementing,					
W LATI	Weight of Casing Feet) N N N N N N N N N N N N N	Static Pump at meas began Well for Power Rema packet	water level 245 ing water level gallons ured 300minutes aft n. ssured from ground 1 developed by hours. r. Pump. erks: (Gravel packing, ers, type of shutoff) 11 cuttings Casing	ft.* 275 ft.* per minute, for pumping evel. inz HP, cementing,					
WE INDICATE EACH SW	Weight of Casing (Feet) N N N N N N N N N N N N N	Static Pump at meas began Well for Power Rema packet	water level 245 ing water level gallons ured 300minutes aft n. ssured from ground 1 developed by hours. r. Pump. erks: (Gravel packing, ers, type of shutoff) 11 cuttings Casing	ft.* 275 ft.* per minute, for pumping evel. inz HP, cementing,					
WE INDICATE EACH SW	Weight of Casing N N N N Sec. 39 N R 3 E LOCATION OF WEL MALL SQUARE REPRESS Signature	Static Pump at meas began Mea Well for Power Rema packer STATE STA	water level 245 ing water level gallons ured 300minutes aft n. ssured from ground 1 developed by hours. r. Pump. erks: (Gravel packing, ers, type of shutoff) 11 cuttings Casing	ft.* 275 ft.* per minute, for pumping evel. inz HP, cementing,					

310

____ Show exact depth of bottom

3197

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s. 6

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DRILLER'S LOG

Indicate the character, color, thick-

ness of strata such as soil, day, sand. gravel, shale, sandstone, etc. Show

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Driller's Address (Coute value 20 Jenay, Fortana

LICENSE NO...47.

Hulbert Spitting

110	APPROPR	IATION	BY MEAN	IS OF		ĸ				water is i	
			ter January 1								
(Under	Chapter 237	7 Montan	a Session Law	s, 1961,	as amend	led)	Tap of	Ground	<u> </u>	Elev150ve se	a level)
by the ov	wner with th	ne County	driller, and to Clerk and Re copy to be r	ecorder i	in the cou	filed nty in	From (Feet)	Ta (Feet)	soil		
			not applicable			a the		10	Cley-		
form may	be returned	d	nor applicable	-, 30 310,	e, one wi	ie me	10	15		a sand	
	•						15	20	CLOY :	ತಪ್ಪಾಡೆ	
Owner 🍱	ertin J.&.	Jannia	Couma. E	a Samia	nistrator s C		20	158	clay :	eard :	rock
						se	23 -	72	- CVC.	i sem	d
Address	F.C. Bo	x.405	File :	318	3		<u> </u>	10	<u>člay</u>		
		E 0.51	, -	. =	Ec. 197	_	40_45_	15 68	grave grave		
janr	attan, lit	J	<u> </u>	202	(Las. 1.7.7.2)	:	64	75	cend		-
Date well	started QC	t 3 I9	72 GW	1 / 3	Bu pm		75_			- C3446	
							445	140	ole:		
cor	mpleted 🛺 🔾	<u>v. 14. I</u>	972						B-ela	<i>}</i>	
	u Jan	47768					25 8	260	send .	Exave.	l û water
Type of w	vell 🚉 🚉	******	(Dug. dri	ven, bored	or drilled)	-					
Fauinmen	r usea Ca	ble to	ol		,			1			
equipmen	. 0000		Churn	drill, rotary	or other)						
Water Use	e: Domestic		ınicipal 🗀 👙	Stock 🗀	Irrigatio	on 🗔					
			-		•			 			
Inc	dustrial 🔲	Drainage	Other	□* (Garden: Lav	n 🔲					
*Describe											
use: If u	sed for irri	gation, in acres and	dustrial, drain Llocation or o	rage or	other. Ex	piain, Block					
				mer der	ia (i.e. 10i,	DICCK		· 			
and	Addition).										
ESTIMA A TE	D ANNUAL	NAZITUDDAN	14/41								
Size of Orilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	P	ERFORATION	i				~~~~~	
		[Kind Size	From (Feet)	To (Feet)					
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	5 5/8	:	131£9et								
	00	1	:								
	-				. '						
	plasti	k	. 1	ftx1	/8 ⁿ						
	vell	116	260	slot	B 240	260					
	cast ng					===	=				
Γ			Static w	ater lev	el .233	6 • •	,				
- {	ļ		Pumpino	water	level2	7.4ft.					
			at g	O	gailons p	er minute					
		×		d 60 :	minutes arte	rpumping					
w			began.	-		,					
					n gravndile i Novana						
			for AB	reiuped	by Bei hours. Pur		unp.				
			Power 2	30	Pump	HF	1133 — 1 144				
	1	:			el packing,						
 -		'	packers,	type c	f shutoff)						
	_										
્ટા કુંં!	4 VE 4 Se	ec. 29	. · · · · · · · · · · · · · · · · · · ·		*** * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * * *					
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		`	•		•• • • • • • • • • • • • • • • • • • •						
			AND PLACE		SE, IF POSS	BLE.					
			NTS 40 ACRE								
Driller's Si	gnature	1/24	0,5.4	den C.	fil T						
	,		/								1

#3188

Olta Hangan

File No.

DUPLICATE

TIM RIGHT
County Gailatin

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

OFFICE OF STATE ENGINEER

مهرو ورنجهن	7.				RTR	0 2/72	Mannata
way!	(Name, of	Appropriato	r	oi	(Address)	7- 1/0/	Mannate (Town)
County of.		latin uniwater ac	cording	to the Montana	laws in effect p	orior to Januar	y 1, 1962, as follows
	N				_		- .** •
	•		2.	The boneficial us	se on which the	elaim is based.	Stock 46
			3.				d use; and how con
	:	E		tinuous the use	1903	at a	ii time
: :			•		1	******	
			4.	The amount of	groundwater ela	imed (in mine	r's inches or gallon
		~		per minute)	f G G Li	من محدد ر	a
			•				
	5		Э,	to which water	has been applie	d and name o	scription of the land of the owner thereo
4 Sec.	т	R					
-	of appropr						
place of	use, if po	ssible.	.•				Ali
amall ame		- A. 10		The means of a			
	are represe	nts 10	ი.	The means of v location of each	well or other n	neans of withd	rawal
	are represe	nts 10	n.	location of each	well or other n	neans of withd	rawal
small squa	are represe	nts 10	n.	location of each	well or other n	neans of withd	rawal,
t. The date of	commence	ment and co	ompletio	location of each	well or other n	neans of withd	rawal
t. The date of	commence		ompletio	location of each	well or other n	neans of withd	ther works for with
The date of drawal of g	commence roundwater	ment and co	ompletio	location of each	well or other n	neans of withd	rawal
The date of drawal of g	commence roundwater	ment and co	ompletio	location of each	well or other n	neans of withd	ther works for with
The date of drawal of g	commence roundwater of water to may be a	ment and co	type, s	of the construction of the	well or other n	neans of withd	ther works for with
The date of drawal of g	commence roundwater to of water to may be as the withdraw	ment and ed	type, s	of the construction of the	well or other n	neans of withd	ther works for with
The date of drawal of g	commence roundwater to of water to may be as the withdraw	ment and ed	type, s	of the construction of the	well or other n	neans of withd	ther works for with
The date of drawal of g	commence roundwater to of water to may be as the withdraw	ment and ed	type, s	of the construction of the	well or other n	neans of withd	ther works for with
The date of drawal of g	commence groundwater to of water to may be as he withdraw	ment and co	type, s	of the construction of the	well or other n	general specif	ther works for with
The date of drawal of g	commence groundwater to of water to may be as he withdraw	ment and co	type, s	of the construction of the	well or other n	general specif	ther works for with
The date of drawal of g The depth of the dep	commence roundwater to may be as he withdrawed amount formations	ment and corable sable s	type, sondwater within the	thdrawn each year	well or other netion of the we	general specif	ther works for with
The date of drawal of g The depth of the dep	commence roundwater to may be as he withdrawed amount formations	ment and corable sable s	type, sondwater within the	thdrawn each year	well or other netion of the we	general specif	cher works for with
The date of drawal of g The depth of the dep	commence roundwater to may be as he withdrawed amount formations	ment and corable sable s	type, sondwater within the	thdrawn each year	well or other netion of the we	general specif	ther works for with
The date of drawal of g The depth of so far as it works for the estimat The log of	commence roundwater to may be a he withdra- ed amount formations	ment and contable wallable, the wal of groundwell encountered a similar	type, sondwater within the	thdrawn each your as may be useful	well or other nection of the we each well or the well if available in carrying o	general specification of the policy of the p	ther works for with
The date of drawal of g The depth of So far as it works for the the log of Such other	commence roundwater to may be a he withdra- ed amount formations	ment and contable wallable, the wal of groundwell encountered a similar	type, sondwater within the	thdrawn each your as may be useful	well or other nection of the we each well or the well if available in carrying o	general specification of the policy of the p	ther works for with
The date of drawal of g The depth of So far as it works for the log of Such other	commence roundwater to may be a he withdra- ed amount formations	ment and contable wallable, the wal of groundwell encountered a similar	type, sondwater within the	thdrawn each your as may be useful	well or other nection of the we each well or the well if available in carrying o	general specification of the policy of the p	ther works for with
The date of drawal of g The depth of So far as it works for the log of Such other	commence roundwater to may be a he withdra- ed amount formations	ment and contable wallable, the wal of groundwell encountered a similar	type, sondwater within the	ze and depth of the construction of the constr	well or other nection of the well are well if available of the well in carrying o	general specification of the control	ther works for with

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Pl-ase answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

#1123

December 27 ... 3:46 P Leems Feddes

Fee \$ 2.00

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	GALLATI		

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

	Owner JACGB DYKE	ZA.	Address MANEATIAN
			3012MAH Address
			Date Completed MAY 3, 1961
	Location: Sec. 35	r IN R3E 4	sec. 5 h'
RAVERS.	3 - ROTARI DRILLAD (Dug. driven, bored, or drilled)	Equipment used	REVERSE ROTARY RIG (Churn drill, rotary, other)
Water use: Domestic	1-1	$\overline{}$	Irrigation Z
Industrial	Dramage 373	Other:	Size 16" P.J. : (ALL
Casing:	ft. to	Type	Size
Casing:	ft. toft.	Туре	Size.
Casing:	ft. to	Type	Size
Perforated of Screened	Kie (1=)217 to ft.	Ft	\$3-133 112-152 to ft
Type of Norweak or ha irfe	3/15" and 1/	4" 3 2 1/4 3LOT3	. 5501010 POF ROUT
		130	feet
Shut-in pressure, for f	llowing well:	lb./sq. in. on	ı:
	236	1,000	(date)
Pumping water level.	fe TURBING TEST FUN		gal. per min.
How tested:	24 HOURS	.,	
Length of test			
Remarks: (Gravel pad	cking, cementing, packers, L. 331LaaD 32" 31A	type of shut-off, depth	of shut-off) 2218 JF 376'. 16"
JASING FAS JUNT.	18.0 I B Till M D G	RAVIL PAIKUD (II	H 5/16 10 3/8"
GRAYALS; (SASHA	o and soriumed) PR	On 376' FACE UT	To 75° CACH SURFACE.

Log of Well

Depti	n. feet	Description of Material Duilled				
From	Te	Description of Material Drilled				
0	13	CLAYS				
13	21	LIGHTLY CEMENTED GRAVELS				
21	39	GRETY HARD PAH, WITH EMBEDDED SMALL GRAVELS				
39	44	HARD SANDSTONE				
44	46	SOFT YELLOW SANDSTONE				
45	48	BUFF GRITTY CLAYS				
48	54	LOOSE SMALL GRAVELS				
54	56	VERY HARD CENENTED GRAVELS				
56 :	72	LIGHLY CEMENTED MEDIUM GRAVELS				
72	74±	LIGHT BUFF HARD PAN				
743	39	CEMENTED GRAVELS, BOULDERS				
£9	91	LOOSE FINE GRAVELS, (HOLE TOOK APPROX. 25" WATCH)				
91	109	COARSE GRAVELS AND BOULDERS				
109	119	BUFF CLAYS				
119	120	SMALL GRAVELS IN SOFT GANDSTONE				
120	138	CLUAN SAND AND SMALL GRAVELS				
150	140	BUPF HARD PAN EMBEDDED WITH SMALL GRAVELS				
140	149	FELL DE AND EUFF CLAYS				
149	178	SAME AL ABOVE BUT EMBEDDED WITH SMALL GRAVEL				
178	137	YELLOW HAFD CLAYS WITH SMALL GRAVELS				
<u> 187</u> _	212	ILLOW HARD CLAYS, NO GRAVAL				
212	214	HARD RUSTY DOLOR, CRITTY HARD PAN				
214	219	SAME BUT SOFTER				
219	220	SAME BUT INDEEDED WITH SMALL GRAVILS				
220	221	SUFF SAMDSTONE (Jon continued on next race)				

(log continued on next page)

	feet	Description of Material Drilled
'rom	То	
21	225	TELLOS HAPD PAN
25	129	DUTE TELEGIE DAN GRITTY
<u> 25</u>	235	TUTE TWO TO TAKE SKALL LIBRIES
35	237	
	235	DUPP TIND STAIN BANTITOND
145	~ ~	DVFF : DRUUG FIM: GRAIM SANDSIDMI
్ర	269	
ಚಿತ್ರ	139	TILLE OF E LODE FILL SHAIR SANDSTONE
33	230	1 (4) 307 (A))
)હ	303	, HIGHD CLAYS AND PINC GRAVELS
73	306	SEDAY SHALK GUAYULY
06	326	TAPO LIBER MALL MARO DAS PROEDO DE TIR DEALL OPAVELS
26	223	TUTT TARD LAW PROADERS ITH SMALL STAVELS
223	277	LITT I MAUL GRAVELS
77	254	10100 0000 ALIC
5A	7.7	. TITE GRATIL THE STATE (T. D)
57	371	
	373	PHIF GOVER MAY

T	R
County	

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

Owner		Address	i	
Driller.		Address	5	
Date Started		Date Co	mpleted	
Location: Sec	т	≀		
Type of well	Equip	ment used	ourn drill, rotary, other)	
(bug, driven, sored, or c			uin dim. iotaly, dilery	
Water use: Domestic Mun	nicipal	Stock	Irrigation	
Industrial Dr.	ainage	Other:		
Casing:ft, to	ft. Type	Size		
Casing:ft, to	ft. Type	Size		
Casing:ft. to	ft. Type	Size		
Perforated or Screened: Ft.	to ft	Ft	to ft	
Type of screen or perforations				••••
Static Water level, for non-flowing well:			f	'eet
Shut-in pressure, for flowing well:		./sq. in. on:	,	
•			(date)	
Pumping water level	feet at	g	al. per min.	
How tested:				,,
Length of test				
Remarks: (Gravel persons, cementing, pa	ickers, type of shut	-off, depth of shut-o	ff)	
2				
8				
\$ 7 36	2			
2	*			*****
\$	3			******
j de €	(over)	• • • • • • • • • • • • • • • • • • • •		•••••

DRILLER'S LOG

Indicate the character, color, thick-

ness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show

depth at which water is found and

height to which water rises in well.

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under	Chapter 237	Montan	a Sessi	on Laws, 1961, as amended)	Top of	Grauno	(Elev. above sea level)
by the ow which the	mer with the well is locat	County led, last	y Clerk r copy	and three copies to be filed and Recorder in the county in to be retained by driller.	From (Feet)	To (Feet)	
	be returned.		iici ak	phicable, so state, dinerwise the			
Owner	John Schi	ITT R	•				
O 1111101 11111		**********		For Administrator's Use			
Address	AMMAITAN	TAGE	ANA	File 3044 26.4,1922			
*************	••••••			1/2/Caim-			
Date weil	started 7/	/22/7	1	GW 1	0	18	claybound 805L0330, and gravels.
	npleted				18	34	Claybound small
	ell Jri]						ravels.
Type of w	ell			(Dug, driven, bored or drilled)	31.	3 7	Cleaner gravels.
Equipment	used	5	able	tools.			5 GPM.
Water His	: Domestic {	S i aa	unicipa	(Churn drill, rotary or other)	37	_ 55	Claybound grayels.
		_ _					Met
Ind	lustrial 🔲	Drainag	e 🗌	Other []* Gargen/Lawn []	_ 55	57	
*Describe				······································			gravels. Water.
USE: If us	sed for irriga	ation, ii	ndustria	al, drainage or other. Expain,			
				on or other data (i.e. Lot, Block			
and a	Addition).			** *** *** ****			
ESTIMATED	ANNUAL W	/ITHDRA	WAL .	······································			
Size of Drilled	Size and Weight	From (Feet)	To (Fee	e) PERFORATIONS			
Hale	of Contag			Kind From To Size (Feet) (Feet)			
óπ	6 5/8"	O	56	no ne			
	0.0.	_		!			
	per it.			1			
	Der 100						
	1						
	N			3.4	==		
		:		Static water level 18	t.*		
		;		Pumping water level 32 f at gallons per minu	t."		
				measured 60 minutes after pumpi	ng:		
w				began.			
				*Measured from ground level.			
,	1	: }		Well developed by SUTTINE			
		,		Power Pump	HP		
1	}			Remarks: (Gravel packing, cementing			
	5			packers type of shutoff) rill cuttings shutoff			
NE:	N= . Sec	. 33	C	utside of casing from			
J,T	່ . <u>N</u> R	<i>3</i> (<u>e</u>	01. to 561			
INIDICATE	JOCATION :	OE (125)	4¥	N BLACE OF HEE IS DOCUME			
	ALL SQUARE			PLACE OF USE, IF POSSIBLE, 1986 ACRES.			
	TALL	IX.	: II	. 1 <u>I</u> ING 00.			
Driller's Sig	السينيمية gnature	وعور الميرس		Lyting on the			

Driller's Address BOZILLA

2 044

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State of Montana County of Galistin Filed Much suc at

ter Resources Division Engineering Bureau Groundwater Section Sam W. Mitchell Building Helena, Montana 59601

Address Manhattan, Location T. Doc. No. 3044

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Snecial Instructions:

of the well by township, range and section. Please provide, as indicated in red on the enclosed form, the complete location

Thank you.

5 137

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

DRILLER'S LOG

DRILLER'S LOG

DRILLER'S LOG

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ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

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ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

MONTANA WATER RESOURCES BOARD

12 Revised 1969

6

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under C	hapter 237 Montan	 Session 	Laws, 1961,	as amend	led)	Top of	Ground	(Elev. above sea lev	rel)
by the own	to be prepared by ner with the County well is located, last	Clerk an	d Recorder in	n the cour	filed nty in	From (Feet)	Ta (Feet)		
Please answ	ver all questions. If be returned.			*	se the				
Owner	OHM SCHUTTUR	•	For Admin	istrator's I	Ise				
Address	IFIATTAN CORT.	ANA	File 3044						
			11/10 aim-				13	T. I-Pacuna LL	
	started 7/22/7	i i	SW 1	••••••				rad ermyels.	
	pleted $\frac{\dot{\epsilon}/2/71}{}$					_1៩	<u> </u>	ularbound small	
Type of we	n Drilled		g, driven, bored o	r drilled)		31.	37	Cleaner seval	<u> </u>
Equipment	used	able to	ols.						
•			hurn drill, rotary		co 🖂	37_	_ 55	Claphound provo	13.
	_	_	her 🗆 * G		_				
*Describe						_55_	57	Glasmor gant en Travels. Lacer.	<u> </u>
USE: If use	ed for irrigation, i	ndustrial, d	drainage or	other. Ex	kolain.				
	number of acres an				į				
	ANNUAL WITHORA								
Size of Drilled	Size and From	To		RFORATION	========				
Hole	Weight (Feet) of Casing	(Feet)	Kind Size	From	To				
6n	6 5/8" 0	56	none	(fret)	(Feet)				
	17.								
	per it.								
	N	_		7.4	_				
		Stat Purr	ic water leve	evel 3	2 ft.*				
		at .	15	gallons	per minute,				
		mea	sured	inutes aft	ter pumping		+		
w		* Me	an. Basured from	ground (evel.	<u> </u>		 	
		Wel	! developed !	by(1111	n-ine				
7		4	2h ver		un				
			narks: (Gravel						
		1	kers type of	_	_				
	NEVa Sec 3	3 \ cut	cide cide						
	N R S	E / W.1	\$Q 501				+		
	LOCATION OF WE			E, IF PO	SSIBLE.				
		J MI L	II.3 30.	*******					
	ddress ECALLA		.*	*************					
************			LICENSE n	٠٥	1	5	71	_ Show exact depth of	bottcm

ness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show

depth at which water is found and

height to which water rises in well.

File No.....

DUPLICATE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

(Name of Appropriator)	, of 4007 Lostor, ertlesville, Calehome (Address) (Town)
-	(
County ofhave appropriated groundwater according	State of
, и	2. The beneficial use on which the claim is based
	Live tock and donestic
	Tite more and ormesta
	3. Date or approximate date of earliest beneficial use; and how contin
	ous the use has been
	1953 - Continuous
X	4. The amount of groundwater claimed (in miner's inches or gallo
	per minute) 5 gallons per minute
	O garrons our minute
	5. If used for irrigation, give the acreage and description of the lar
ell in NEW-SEE	to which water has been applied and name of the owner there
34 IN 37	
Sec. T. R.	- Note
licate point of appropriation d place of use, if possible. Each	
all square represents 10 acres.	6. The means of withdrawing such water from the ground and the lo
	tion of each well or other means of withdrawal
	electric comer
drawal of groundwater	
drawal of groundwater 1933	3
drawal of groundwater 1953	
drawal of groundwater 1933 3. The depth of water table 30 11 30 11 30 11	type, size and depth of each well or the general specifications of any otter
drawal of groundwater 1933 3. The depth of water table 30 The depth of water table 30 The depth of water table	type, size and depth of each well or the general specifications of any otter
drawal of groundwater 1933 3. The depth of water table 3. So far as it may be available, the ty works for the withdrawal of groundwa	tope, size and depth of each well or the general specifications of any other Drilled with 6 inch casing, 60 feet deep
drawal of groundwater 1933 3. The depth of water table 3. So far as it may be available, the ty works for the withdrawal of groundwa	tope, size and depth of each well or the general specifications of any other Drilled with 6 inch casing, 60 feet deep
drawal of groundwater 1933 3. The depth of water table 30 11 30 11 30 11	tope, size and depth of each well or the general specifications of any other Drilled with 6 inch casing, 60 feet deep
drawal of groundwater 1333 8. The depth of water table 9. So far as it may be available, the ty works for the withdrawal of groundwater 10. The estimated amount of groundwater	tope, size and depth of each well or the general specifications of any other carried with 6 inch casing, & fact deep withdrawn each year list chain.
drawal of groundwater 3. The depth of water table 3. The log of formations encountered in	to pe, size and depth of each well or the general specifications of any other carried with 6 inch casing, 60 feat deep withdrawn each year. Not small the drilling of each well if available.
drawal of groundwater 3. The depth of water table 3. The log of formations encountered in	t pe, size and depth of each well or the general specifications of any other critical with 6 inch casing, 60 feet deep withdrawn each year list and the drilling of each well if available
drawal of groundwater 3. The depth of water table 3. So far as it may be available, the ty works for the withdrawal of groundwater 3. The estimated amount of groundwater 4. The log of formations encountered in	to the size and depth of each well or the general specifications of any other continued with 6 inch cosing, 60 foot deep or withdrawn each year list small the drilling of each well if available cavel and cley and gravel
drawal of groundwater 3. The depth of water table 3. So far as it may be available, the ty works for the withdrawal of groundwater 3. The estimated amount of groundwater 3. The log of formations encountered in	rpe, size and depth of each well or the general specifications of any other Drilled with 6 inch cesing, 60 feet deep r withdrawn each year the drilling of each well if available ravel and also and gravel
drawal of groundwater 1933 The depth of water table So far as it may be available, the ty works for the withdrawal of groundwater The log of formations encountered in Such other information of a similar respectively.	true, size and depth of each well or the general specifications of any other Drilled with 6 inch casing, 60 fact deep r withdrawn each year list grown the drilling of each well if available ravel and cley and growel mature as may be useful in carrying out the policy of this act, includent
drawal of groundwater 3. The depth of water table 3. So far as it may be available, the ty works for the withdrawal of groundwater 3. The log of formations encountered in 2. Such other information of a similar respectively.	The size and depth of each well or the general specifications of any other continued with 6 inch casing, & fact deep withdrawn each year light chain the drilling of each well if available cavel and clay and gravel and clay and gravel categories as may be useful in carrying out the policy of this act, includinty record
drawal of groundwater 1333 The depth of water table 30 14 So far as it may be available, the ty works for the withdrawal of groundwater The log of formations encountered in Such other information of a similar respectively.	true, size and depth of each well or the general specifications of any other critical with 6 inch casing, 60 feat deep withdrawn each year list small the drilling of each well if available cavel and cley and gravel
drawal of groundwater 3. The depth of water table 3. So far as it may be available, the ty works for the withdrawal of groundwater 3. The log of formations encountered in 2. Such other information of a similar respectively.	ree, size and depth of each well or the general specifications of any other Drilled with 6 inch casing, 60 feet deep r withdrawn each year list recent the drilling of each well if available ravel and clay and gravel nature as may be useful in carrying out the policy of this act, includinty record
8. The depth of water table 30 14 9. So far as it may be available, the ty works for the withdrawal of groundwater 1. The log of formations encountered in 2. Such other information of a similar respectively.	trope, size and depth of each well or the general specifications of any other Drilled with 6 inch casing, 60 feet deep r withdrawn each year list znown the drilling of each well if available ravel and clay and gravel mature as may be useful in carrying out the policy of this act, including record

Original to the County Clerk and Recorder: Duplicate to the State Engineer: Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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Carlingles

Duning

Form No. 18			<i>)</i>
8-60		Γ	R
		County	
	MONTANA BUREAU OF MIN Butte, Mont		
	Water Well	Ĺog	STATE ENGINEER
	Owner	Address	3
	Oriller And And Tunes		
	Date Started	Date Co	ompleted
	Location: Sec I.	: R. 1	sec.
Type of well (Dug,	driven, or drilled)	pment used(ch	nurn, drill, rotary, other)
	stic Municipal		
Indust	rial Drainage	Other	
Casing:f	t. toft. Iyp	pe	Size ()
Casing:f	t. toft. Iyp	oe	Size
Casing:f	t. toft. Typ	oe	Size
Perforated or scr	eened: Ftto ft	. Ft	to ft
Type of screen or	perforations		
Static water leve	l, for non-flowing well:		feet.
Shut-in pressure,	for flowing well:	lb./sq. in.	on:
	elreet at		-
Length of test			
	<pre>packing, cementing, pack -off)</pre>	kers, type of sl	hut-off, depth of
			· · · · · · · · · · · · · · · · · · ·
	- <u></u>		

(over)

Depth	, feet	Description of Material Drilled
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File	No	
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DUPLICATE

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County 3AL-ATIN

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights (Under Chapter 237, Muntana Session Laws, 1961)

of A.A. 1, enhattan
(Address) (Town)
State of ontana
g to the Montana laws in effect prior to January 1, 1962, as follows:
2. The beneficial use on which the claim is based jousehold and
Line tenericial use on which the claim is based.
3. Date or approximate date of earliest beneficial use; and how continu
ous the use has been 1013 - 1en in catinous use
every dry winge 1836
mark the many and
4. The amount of groundwater claimed (in miner's inches or gallon
per minute) 5 ziner inches
5. If used for irrigation, give the acreage and description of the land
to which water has been applied and name of the owner thereo
6. The means of withdrawing such water from the ground and the local
tion of each well or other means of withdrawal
hallo well aum
pletion of the construction of the well, wells, or other works for with
ed 100
ed 1760
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pe, size and depth of each well or the general specifications of any other of the specification of any other of the specifications of the specification of the speci
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fers size and depth of each well or the general specifications of any other size feet tee, item aseing
pe, size and depth of each well or the general specifications of any other. So feet tee, or inch tageing withdrawn each year together to not available the drilling of each well if available not vailable
pe, size and depth of each well or the general specifications of any other sources, sinch asseing withdrawn each year sequents, setimate not available the drilling of each well if available not vaiable
pe, size and depth of each well or the general specifications of any other in feet tee, in inch asseing withdrawn each year courage attimate not available
pe, size and depth of each well or the general specifications of any other of the second assets. withdrawn each year requires to the net available the drilling of each well if available not valuable attrees may be useful in carrying out the policy of this act, including
pe, size and depth of each well or the general specifications of any other of the specification of t
pr. size and depth of each well or the general specifications of any other. In feether, included asseing withdrawn each year courage at the continual action of each well if available not valuable at the drilling of each well in carrying out the policy of this act, including ty record cell rillers record at 2000 Lerk at
pp. size and depth of each well or the general specifications of any other to feether, which assets withdrawn each year courage at the not available the drilling of each well if available not valiable at a same as may be useful in carrying out the policy of this act, including the record cold millers record at lowest large at
pr. size and depth of each well or the general specifications of any other. In feether, included asseing withdrawn each year courage at the continual action of each well if available not valuable at the drilling of each well in carrying out the policy of this act, including ty record cell rillers record at 2000 Lerk at
ng.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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Shino Fillies

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ntinung GW	Approved Stock Form-State Publishing Co., Helena, Montana 2225-
	T R 3 E
File No	• ***
DUPLICATE	County County
ADMINIS	STATE OF MONTANA TRATOR OF GROUNDWATER CODE
4	TICE OF STATE ENGINEER
<i>i</i>	
N/	f Vested Groundwater Rights
_	pter 237. Montana Session Laws, 1961)
HENRY J'FLIKKEMA	of RTI (Address) HATTAN (Town) State of MANTAN January 1, 1962, as follows:
(Name, of Appropriator)	(Address) HATTAN (Town)
County of GALLATIN	g to the Montana laws in effect prior to January 1, 1962, as follows:
nave appropriated groundwater according	g to the Montana laws in effect prior to January 1, 1902, as follows:
	2. The beneficial use on which the claim is based
\\\\\\\\\	2. The beneficial use on which the claim is based HOUSER SLO
	3. Date or approximate date of earliest beneficial use: and how continu-
	ous the use has been MAY 1940
W E	CVER STNCE
	4. The amount of groundwater claimed (in miner's inches or gallons
	per minute)
	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
SIC 25 11 26	to which water has been applied and main of the bridge increase.
X X R. Sec. T. I R. Sec.	
Indicate point of appropriation and place of use, if possible. Each	
smail square represents 10 acres.	6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
	ELICTRIC PUMP
7. The date of commencement and comp	detion of the construction of the well, wells, or other works for with-
or ground-training	
8. The depth of water table 15 /E	E.T.
works for the withdrawal of groundwate	e, size and depth of each well or the general specifications of any other
5 1NCH 4	to the Feet.
the second control of	
······································	
10. The estimated amount of groundwater	withdrawn each year
11. The log of formations encountered in the	ie drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder: Duplicate to the State Engineer: Triplicate to the Montana Bureau of Mines and Goodogy, and Quadruplicate for the Appropriator

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mage of GW ? Revised	1969
STATE BY BUILDING COMPANY	

Driller's Address

LICENSE NO....

County	 	35

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE RECEIVE Dicate the character, color, thick-MONTANA WATER RESOURCES BOARD

ness of strata such as soil, clay, sand,

NOTICE OF COMPLETION OF GROUNDWATER V1: 1971 ness or strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and

APPROPRIATION BY MEANS OF WELL height to which water rises in well. Developed after January 1, 1962 (Under Chapter 237 Montana Session Laws, 1961, as amended) Top of Ground (Elev. above sea level) This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in From To 10 T; which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned. Owner Garrett & Elisabeth/ COLE For Administrator's Use Address Box 227, Route 1 3020 215 Pm Manhatten, Montana 59741 completed 00% In India (Churn drill, rotary or other) Water Use: Domestic 🖸 Municipal 🗀 Stock 🗀 Irrigation 🗀 Industrial Drainage Other * Garden/Lawn * USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). ESTIMATED ANNUAL WITHDRAWAL PERFORATIONS CD IM: re : Static water level Static water level ft. Pumping water level ft. at ______gallons per minute, _ measured ____ minutes after pumping began. "Measurer" from ground level. Well developed by for I hours. Power III 1 Pump 1 1 1 HP Remarks. (Gravel packing, cementing, packers, type of shutoff) 1. Sec. 35 2. 3 INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Show exact depth of bottom

41420

3020

State of Montana
County of Gallatin

Filed 17, 197/
at 7.15 Similar

County Clark 1. Counter

By Secular County

Deputy

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G	Approved Stock Form—State Publishing Co., Helena, Montana—19089
File No	т <u>1 Я в 3 Е</u>
DUPILCATE	County Gallatin
	STATE OF MONTANA
	ADMINISTRATOR OF GROUNDWATER CODE
	OFFICE OF STATE ENGINEER
Dodo	wation of Masterl Commission Binds

ELVA	M. I	WHITE		of_	Route	1,	Manhatta	n,
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With Sec.	35 r	LN R3 E		watering	Lawn an	a gar	rren	***************************************
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Three copies to located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder: duplicate to the State Engineer: Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 33437

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_	small square repr	esents 10 acres.						
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						's License	*********	

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Driller's Signature

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator

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Approved Stock			Montaga Zillia	
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ADMINISTRATOR OF GROUNDWATER CODE

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapte. 237, Montana Session Laws, 1961)

	1 6			2/ / / / /
1	May Rear les (Name of Appropriator)	24.	, of(Addross)	Therebection
	ounty of Appropriator)		State of April 1	(10WH)
h	ave appropriated groundwater according	ng t	o the Montana laws in effect prior	to January 1, 1962, as follows:
14.7	18 RDic 33 O.P. Wan buttan	2.	The beneficial use on which the claim The principle of approximate date of earlies ous the use has been par 1900 The amount of groundwater claim per minute) Jackson par	t beneficial use; and how continued (in miner's inches or gallons the manual of the lands and name of the owner thereof
Ind and	cate point of appropriation place of use, if possible. Each li square represents 10 acres. The date of commencement and com drawal of groundwater 7 he first		on of the constitution of the well,	withdrawal fit pump
8.	The depth of water table for fire	T		
9.	So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater willed shalles well, I must contain a fact flag			
10.	The estimated amount of groundwater withdrawn each year 211, 700 gets			
11.	The log of formations encountered in the drilling of each well if available.			
12.	Such other information of a similar reference to book and page of any cou	natui	record the said to say of	the policy of this act, including
			Signature of Owner	1. Burkena
			Date	12-626-1463

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder: Duplicate to the State Engineer: Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

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File No....

DUPLICATE

Approved Stock Form—State Publishing Co., Steens. Minnana—4134

T. // R. 3.6

County—Callatin

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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(Name of Appropriator)	(Address)	(Town)
County of Gallatin	State of Honts	na
have appropriated groundwater according	to the Montana laws in effect prior t	o January 1, 1962, as follows:
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-	2. The beneficial use on which the claim	is based
	irrication of yare.	
	3. Date or approximate date of earliest	heneficial use- and how contin
	cus the use has been. 1900 and wa	
E		
	4. The amount of groundwater claims	d (in miner's inches or galle
	per minute)75 _allons _er _r	inute

	5. If used for irrigation, give the acre	age and description of the lar
S	to which water has been applied a	
	on Block 27, Town of Hanhat	
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d place of use, if possible. Each all square represents 10 acres.	6. The means of withdrawing such water	er from the ground and the lo
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Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder: Duplicate to the State Engineer: Triplicate to the Montana Bureau of Mines and Geology, and Quadrateceate for the Appropriator

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This form to be prepared by driller, and three copies to be filled by the owner with the County Clerk and Recorder in the county in which the well is located.

JIJ NO. 1 Dr.Ner's Signature

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Que implicate for Appropriator.

State of Montana (ss. County of Gall, tin)

riled Sept. 22 ____1965

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County	Galla	tin .

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

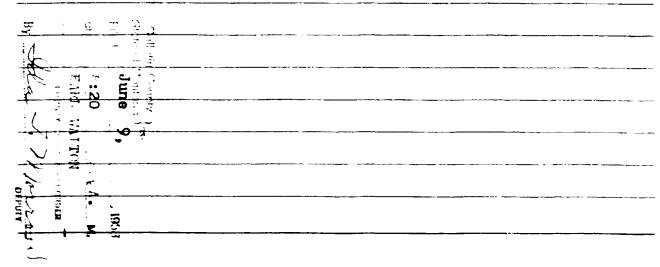
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	Date Start	ed		I	Date Com	pleted	
	Location:	Sec. O T	18 R	3 <i>E</i> ;; se	c	•	
Type of well	Drilled Dug. driven,	bored, or drilled)	Equipme	nt used	Cable (Chur	tools drill, rotary, et	her)
Water use: Domestic		Municipal	X	Stock		Irrigation	
Industrial		Drainage		ther:	City w	ater	***************************************
Casing:8	ft, to	ft.	Type Prime	steel I	Size	13"0.D. 3	4#
Casing: & above							
Casing:	ft. to	ft.	Туре		Size	• • • • • • • • • • • • • • • • • • • •	••••••••••
Perforated or Screened Type of screen or perfor Static Water level, for r	rations 1	3 perforat	ions 3/8"s	and i'' x	18 cl	ean cut s	lots
Shut-in pressure, for fle						, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Pumping water level	751	feet	at 403		ga	(date) I. per min	eximum
How tested:	Turbine	test pump					
Length of test	5 hrs.						•••••••••••
Remarks: (Gravel pag	king, cemer	iting, packers, t	ype of shut-o	ff. depth of	shut-off)	
Casing was drive	en to 22	317" from s	urface. 0	pen hole	drill	ed to 253	. This open
hole bailed at	90 C.P.M	. with wate	r level a	t 50 ft.	from	surface.	The open
hole was cleane	d and gr	evel packed	from bot	tom to w	ithin	205' from	surface
with ¿" gravels	to hold	the hole o	pen and k	eep the	sand b	eck.	
					·-····································	• • • • • • • • • • • • • • • • • • • •	•

(over)

Log of Well

Depth	ı. feet	
From	То	Description of Material Drilled
0	7	top solis and clay
7 18	18 35 ' 6"	coarse gray sand and gravels, large boulders silty, gritty clay bed (very soft) not much water
3316" 3416"	34'6" 41	white color hard pan (dry) very silty, slopy gritty clays (very soft)
41 53	53 5 7	soft brown clays with fine silt, tend to heave same but a little harder and more yellow color
57 62	62 72	buff color hardpan brown soft gritty clays (soft)
72 7316"	73 '6 " 85	very herd herdpan same but softer
85 95	95 119	same with 2 layers of sandstone at 68' and 93' 6" thic light brown fine grain soft sandstone
119 128	128 129	light brown gritty clays hard sandstone
129 138	138 139	soft gritty clays hard sandstone
139 147	147 150	soft gritty clays soft clay with a gravel layer [148] to 149!
150 159	159 164	soft gritty clay soft sandstone
164 165	165 175	soft gritty clays clays with soft light buff color sandstone shells
175	185	embedded with small gravels silty clays
185 187	187 190	herd sendstone herdpen embedded with small gravels
190 200	200 205	very gritty clays clays with a couple small lends od hardpan
205 225	225 235	same but a layer of fine gravels 224' l'thick fine even grain sand (water) very slopy and heaves
235	253	while bailing gritty clays (not much water)

1.D. 253



Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
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/	More than and	- W4	1259	
	Marie Lagarie			<i>f</i> :
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4	1 25			
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9	Mus teta	2714	450	
9	Central Cara vice	714	1337	-
	Dearnerd Harry		<u> </u>	
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12	Brang Ciket ?	314		-
13	White Fitters	27/100 Fig	1373	
14	Which there			•
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	South Lynnin	27/3	= = = =	<u> </u>
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			County	
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DUPLICATE

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County Fallatur

STATE OF MONTANA

ADMINISTRATOR OF GROUND ₩ATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

County of	(Name of App		(Address) / (Town) State of Montana
have appropri	ated groundwat	er according t	to the Montana laws in effect prior to January 1, 1962, as follows:
	N 12		The beneficial use on which the claim is based 1011sekold
		45	use 4 yard irrigation
		3.	Date or approximate date of earliest beneficial use: and how continuous the use has been.
·		E	
		4 .	The amount of groundwater claimed (in miner's inches or gallons per minute)
	S N .	5.	If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the cwner thereof
5.14 Sec.	11 THE 15	2	about I was for find use
	of appropriation	n	
and place of use,	, if possible. Each	h	. The means of withdrawing such water from the ground and the loca-
small square rep	of commen cem ent	and complet	tion of each well or other means of withdrawal flether than the local flether than the loca
7. The date of drawal of a	of commencement	and complet	tion of each well or other means of withdrawal states that the state of the wells, or other works for with-
7. The date of drawal of a	of commen cem ent	and complet	tion of each well or other means of withdrawal flective ten feet from well
7. The date of drawal of a	of commencement groundwater	and complete \$ 65	tion of each well or other means of withdrawal states that the state of the wells, or other works for with-
7. The date of drawal of a	of commencement groundwater of water table t may be availab	and complete \$ 65	tion of each well or other means of withdrawal for the form the form of the well, wells, or other works for withsize and depth of each well or the general specifications of any other
7. The date of drawal of a	of commencement groundwater of water table t may be availab	and complete \$ 65	tion of each well or other means of withdrawal for the form the form of the well, wells, or other works for withsize and depth of each well or the general specifications of any other
7. The date of drawal of a second sec	of commencement groundwater of water table t may be available withdrawal of	and complete \$ 65.	tion of each well or other means of withdrawal states of the construction of the well, wells, or other works for withsize and depth of each well or the general specifications of any other
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7. The date of drawal of a second sec	of commencement groundwater of water table a wailable withdrawal of ed amount of green	and complete \$ 65.	tion of each well or other means of withdrawal street works for with- ion of the construction of the well, wells, or other works for with- size and depth of each well or the general specifications of any other
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Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

11/0 5 - 1963 11/0 5 - 1960 C 14 00 00 00 4 PEODE SH

3-60			r	R	
	MONTAN	A BUREAU OF MON Butte, Mon	KES AND GEOU tana	oer De la	
		WATER WELL	LOG	STATE ENG	NEER
	Owner		A	ldress	<u>- </u>
	Driller	<u> </u>	Ac	idress <u>. Lated</u>	, *
	Date Starte	d	5;	te Completed	·
	Location:	SecT	R	sec.	<u> </u>
Type of well	Dug, driven, bored,	er drilled) Equi	ipment used_	(uhum, drill, rotar	rj, other)
] Irrigation [
				Size	
				Size	
				Size	
				to ft	
Type of screen	or perforati	ons			
Static Water lo	evel, for non	_flowing well:			feet.
Shut-in pressu	re, for flowi	ng well:	lb./sc	1. in. on:	
Pumping water a	nevel	feet at		_gal. per min	
How tested:					
Length of test_					
	ut -off)			or shutworr, dep	th of
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Log of Well

Depth	, řeet	
From	To	Descripcion of Material Drilled
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File No..

DUPLICATE

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County Gallatin

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Charter 237, Montana Session Laws, 1961)

Address)	Rt 1 (Town)
Montana	
in effect prior t	to January 1, 1962, as f lows:
which the claim	is based
ell	
	,
date of earliest	beneficial use; and how continu
: 1.	
on Linuous	
ındwater claime	ed (in miner's inches or galler
	eage and description of the land
	and name of the owner there
	Rex C. Duneen
rawing such was	ter-from the ground and the loc
other means of w	; vithdrawal
and sistern	
	eneral specifications of any oth
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f availa bl e	35 foot in clay,
ZERYFL	
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n earrying out	the policy of this act, include
	1
of Owner 271	10 Three Commence
•	
Date	Dec. 30, 1963
.	and a material of the state of
erser of the est	into n which the well is looms

Original to the County Clerk and Rescriber: Indiffere to be State Engineer Triplies to the Montana Bureau of Mines and Good say, and Quadruphe to but a April oracler.

#1739

n, of Gallatin , ss.

3:46 o'clock p M

EART, 14 DN

COUNTY CLERK & PECORICS

34 2 2.00

File No.

DUPLICATE

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Developed After January 1, 1962

Under Chapter 297 Montana Session Laws, 1961

	Date of Appropriation of Groundwater 13 JANUARY 1966
	Owner John S. BRITTAN WHOS AL #1 BELGRASE, MONT.
	Contractor (if any NONE
	Address of Contractor NONE
	Date Started NONE Date Completed NONE
N	1) Describe means of obtaining groundwater (as by sub-irrigation,
	developed spring, drains, etc.
	developed gravity Spaing
•	······································
	F
	2. Means of withdrawing water gravity, pump, canal, etc.
	gravity and pump
	3) Depth of water table & F.T.
Arlu). 3 (A) 4/5	4) Use of the water FRRIGATION AND
NWI See 3 T. M. R. 48	STOCK WATER
Indicate point of appropriation and place of use, if possible.	5) Amount of groundwater claimed in miner's inches, or gallons
	per minute 25 INChES
	6) If used for irrigation, give number of acres and description of
	land O ACRES - SW 4 OF NW My OF
	SEC. 3 TIN RYE
	· · · · · · · · · · · · · · · · · · ·
	7 Estimate amount of water used each year
	750,006 gallons
	Signature of Owner 4
	Date Committee C

This form to be prepared by contractor if any; otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all quest as a nor applicable, so state, otherwise the form will be returned.

. . .

1976

State of Montana (ss. County of Gailetin)

Filed Fet. 16 1966

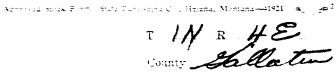
at 10:30 ciclock A. M.

County Clerk & Recorder

Deputy

File No.

DUPLICATE



STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

ſ	Jounty of (74 //67/7)		State of Part 7.62.9
h	ave appropriated groundwater acco	rding to	State of
	N		
		<u>2</u> .	The beneficial use on which the claim is based And lind
			Date or approximate date of earliest beneficial use; and how contous the use has been 7000 55.7
		4.	The amount of groundwater claimed (in miner's inches or gaing per minute)
	s	5.	. If used for irrigation, give the acreage and description of the left to which water has been applied and name of the owner the
0	4/16 Sec. 3 T./N R. 46		A
nd	icate point of appropriation		
nd	l place of use, if possible. Each ill square represents 10 acres.	6.	The means of withdrawing such water from the ground and the tion of each well or other means of withdrawal
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
7.	drawal of groundwater 195	·夕	
3.	The depth of water table	ise ?	<u></u>
3.	The depth of water table So far as it may be available, the	type,	size and depth of each well or the general specifications of any o
3.	The depth of water table So far as it may be available, the	type, s	size and depth of each well or the general specifications of any o
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Original to the County Clerk and Recorder: Duplicate to the State Engineer: Triplicate to the Montana Bureau of Mines and Goodogy, and Quadruplicate for the Appropriator.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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Alemas Feddes

DUPLICATE

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Approved Stock Form—State Purlishing Co., Hei in Miritana—1994 1945 5

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chap	ter 237, Montana Session Laws, 1961)
Name It Blanch M	From R. R. # T Belande
Name of Appropriator)	(Address) (Town)
County of Autority of according aver appropriated groundwater according	to the Montana laws in effect prior to January 1, 1962, as follows:
×	2. The beneficial use on which the claim is based the chall yard + garden errogation + timelock
) wiles
X	3. Date or approximate date of earliest beneficial use: and how continuous the use has been
E	
	4. The amount of groundwater claimed (in miner's inches or gallens per minute)
	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
VYNAGE 3 TIN R 4E	Sievert 20 tilo get per min
licate point of appropriation I place of use, if possible. Each all square represents 10 acres.	6. The means of withdrawing such water from the ground and the location of each well or other means of vithdrawal
The date of commencement and completerwal of groundwater	tion of the construction of the well, wells, or other works for with
The depth of water table 30	to 70 feet
·	size and depth of each well or the general specifications of any other
	14 pege in since any
Well is	1/4 pepe in 5 mil aing 90 feet deep
The estimated amount of groundwater w	rithdrawn each year 300 000 geles for
The log of formations encountered in the	drilling of each well if available
Such other information of a similar natureference to it k and page of any county	ure as may be useful in earrying out the policy of this act, including
reference to . A and page of any county	· ·······
	I mine,
	Signature of Owner Blanche Th Savi
	Date Dec. \$1 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clark at Recorder: Duplicate to the State Engineer Triplicate to the Montana Bureau of Mines and Geology, and Quasirup. The for the Approximation

Fee 3

DUPLICATE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

	hapter 237. Montana S		- CANCENDANCE
I. (Name of Appropriator)	. ot	-	े अग्वर्वे ह
(Name of Appropriator)	, (3.	(Address)	(Town)
County of Juliating	State of	ot late and	
have appropriated groundwater accordi	ing to the Montana la	iws in effect prior to Ja	muary 1, 1962, as follows:
V I N			e sydste ≃ty et
			msed Mills Tile To
	3. Date or approxi-	mate date of earliest ben	efficial use; and how continu-
ν Ε			
		V=====================================	
	per minute)f.s	is Habiy I mak nerial	in miner's inches or gallons
	to which water	has been applied and	and description of the lands
NEW Sec. 3 T. IN R. 7.			- nd 17
· •			***************************************
Indicate point of appropriation and place of use, if possible. Each			
mull square represents 10 acres.			rom the ground and the loca
	tion of each well	or other means of withd	PHWII dakeatElektiise.
	Land Elevi	Le Transce Legensia	<u></u>
7. The date of commencement and condrawal of groundwater . ?	Let # 1 1 #/	11 m 1 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m	
S. The depth of water table	in the contract of the contrac	***************************************	***
9. So far as it may be available, the ty works for the withdrawal of groundwa deep and 300 (An)) (4.4 (An)) (4	iter weeth a stage of		al specifications of any other
3. C. 1735 deep through	· · · · · · · · · · · · · · · · · · ·	A CONTRACTOR AND	
and the second s		on the state of th	
0. The estimated armount of groundwater			ters, garaen the section K.
1. The log of formations encountered in	the drilling of each w	cell if available undr	CT 444 FE
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a de la companya de la companya de de la companya de la companya de la companya de la companya de la companya La companya de la co	د این از ۱۹۰۱ میلید به اینجیهای آلای از ۱ ما در این از این این این اینکه اینکه	e tek ministran et esek mörelj	2.22 2.44
2. Such other information of a similar reference to book and page of any cot			
reference to book and page of any cot	1 · 2 / 18	. Just bland - Land and a same	
		- Land and the second	- CHEROLES - LOR 1
			
			1.1:16 STECEPRY

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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Carl Walton

Lie J. Diorzon

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